



Micro Commercial Components

Micro Commercial Components  
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# ESD5V0D5B

## 5.0Volts ESD Protection Devices

### SOD523

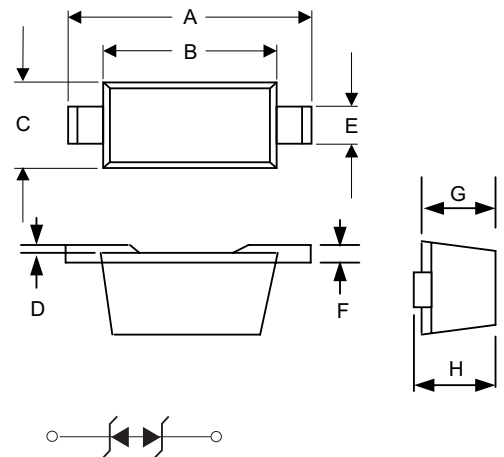
### Features

- Halogen free available upon request by adding suffix "-HF"
- For sensitive ESD protection
- Excellent clamping capability
- Low leakage
- ESD protection reach 30 kV
- For space saving application
- Fast response ,response time less than 1ns.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

### Maximum Ratings

- Operating Junction & Storage Temperature: -55°C to +150°C

Parameter	Symbol	Limits	unit
IEC61000-4-2(ESD) Air Contact		±30 ±30	KV
ESD Voltage Per Human Body Model		16	KV
Per Machine Model		400	V
Total Power Dissipation	P <sub>D</sub>	150	W



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.043	.051	1.10	1.30	
C	.030	.033	0.75	0.85	
D	.001	.003	0.01	0.07	
E	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	
G	.020	.028	0.50	0.70	
H	.020	.031	0.51	0.77	

**ELECTRICAL CHARACTERISTICS** (Ta = 25°C unless otherwise noted)

Device*	Device Marking	V <sub>RWM</sub> (V)	I <sub>R</sub> (μA) @ V <sub>RWM</sub>	V <sub>BR</sub> (V) @ I <sub>T</sub> (Note 2)		I <sub>T</sub>	V <sub>C</sub> @I <sub>PP</sub> = 5 A	I <sub>PP</sub> (A)	V <sub>C</sub> (V) @Max I <sub>PP</sub>	C (pF)@ V <sub>R</sub> =0V,f=1MHz
		Max	Max	Min	Max	mA	V	Max	Max	Typ
<b>ESD5V0D5B</b>	B5/5C	5.0	1.0	5.8	8.8	1.0	9.5	12	13	27

\*Other voltages available upon request.

Note 2. V<sub>BR</sub> is measured with a pulse test current I<sub>T</sub> at an ambient temperature of 25°C.



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### Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 8Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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# AMEYA360

## Components Supply Platform

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